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Figure 1

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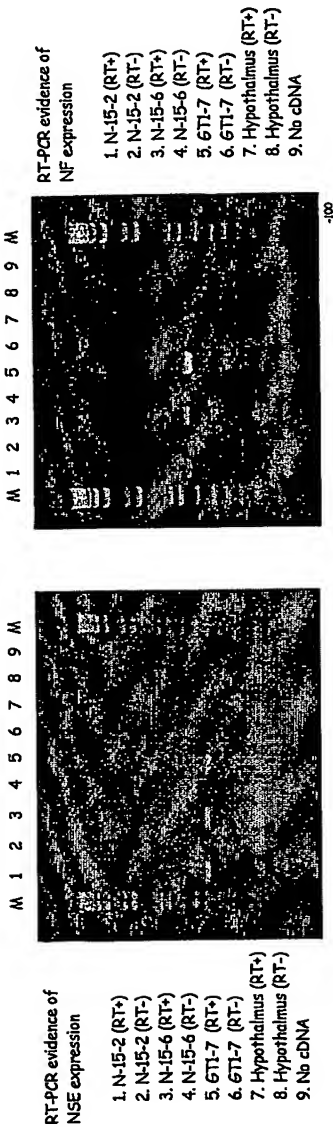


Figure 2

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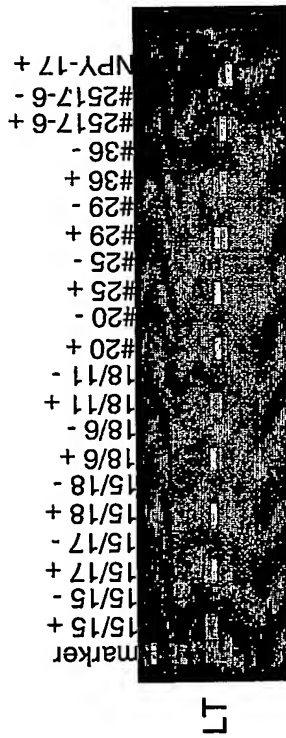
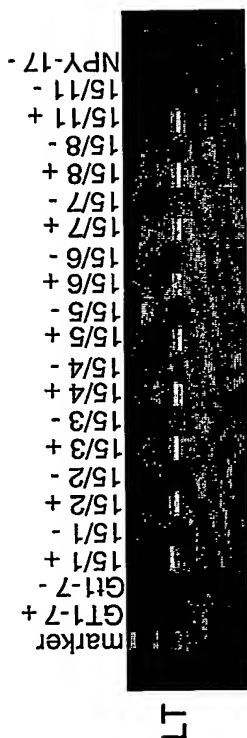


Figure 3A

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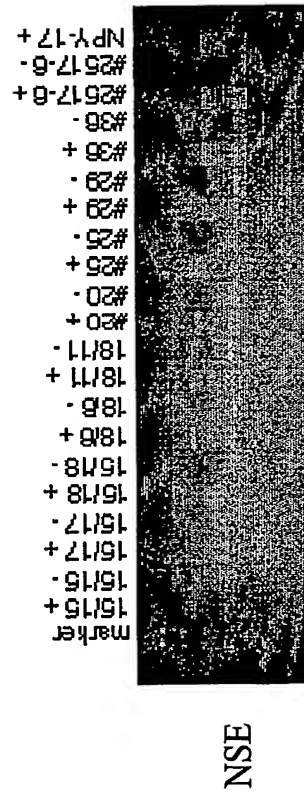
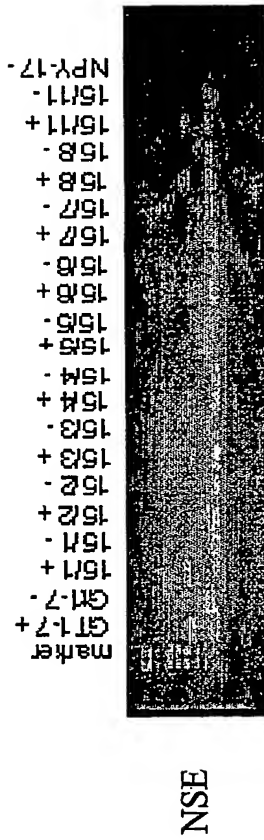


Figure 3B

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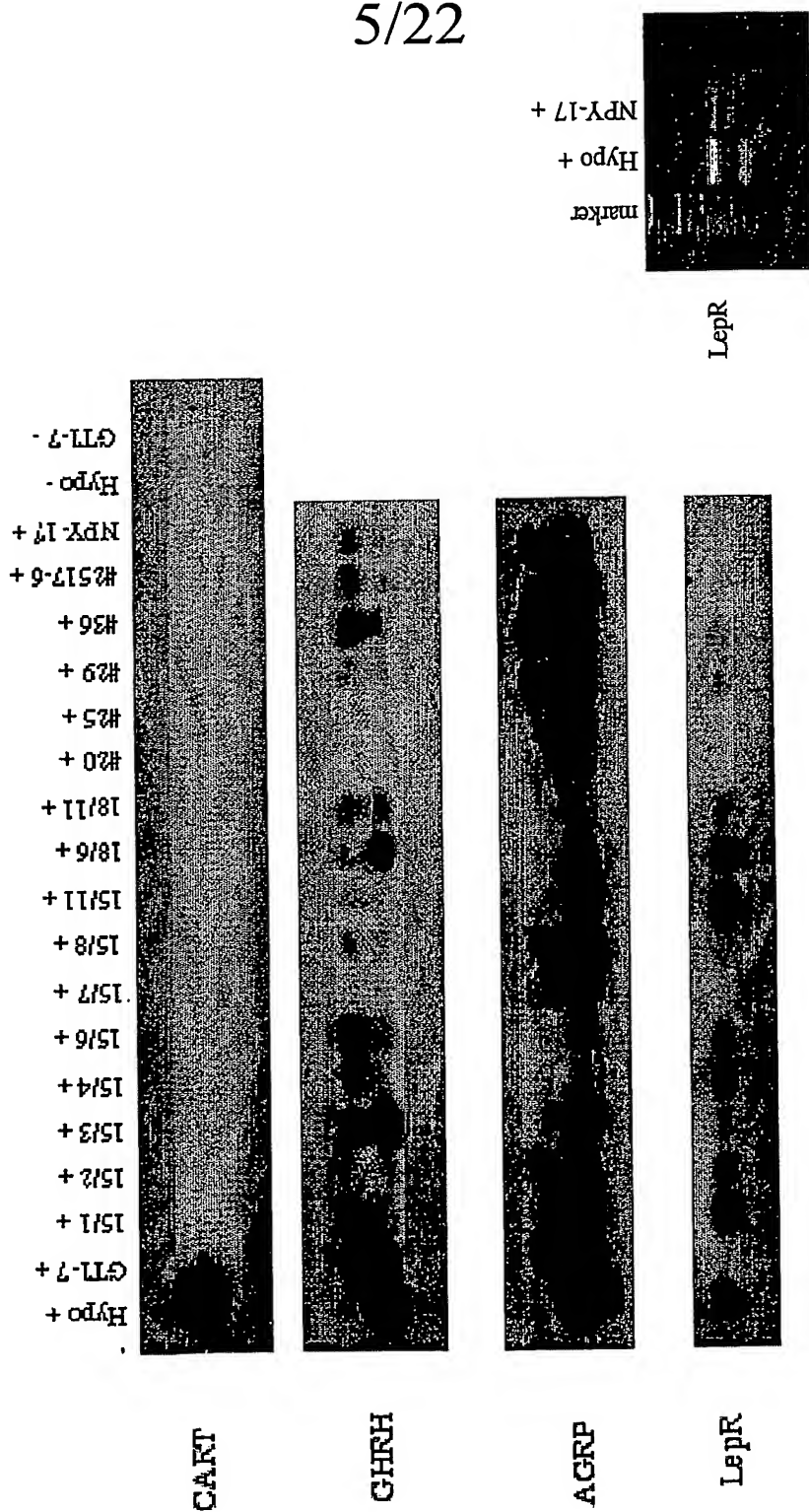


Figure 4

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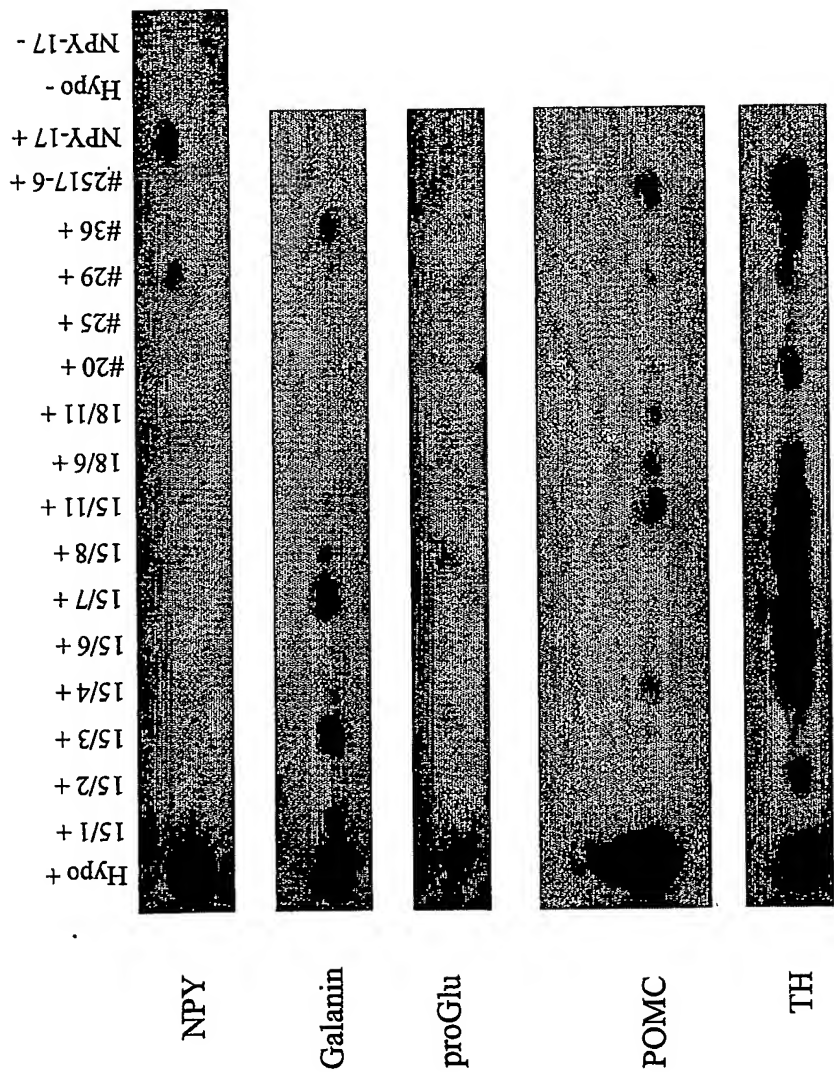


Figure 5

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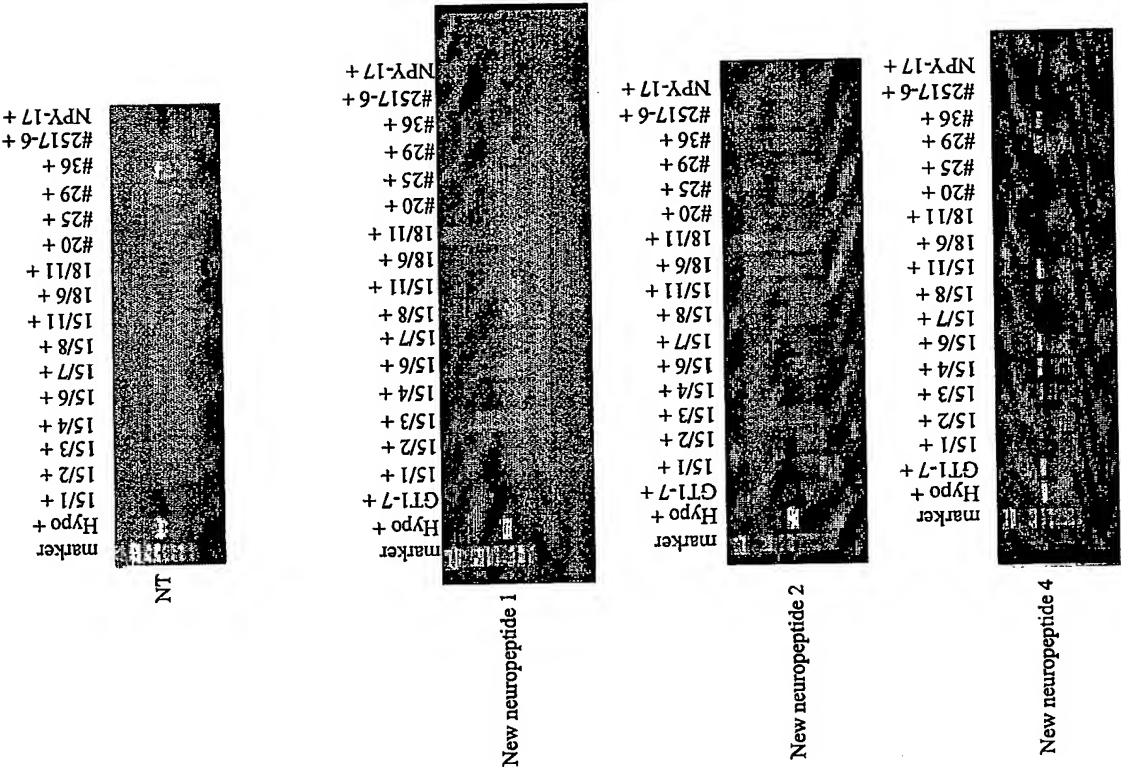
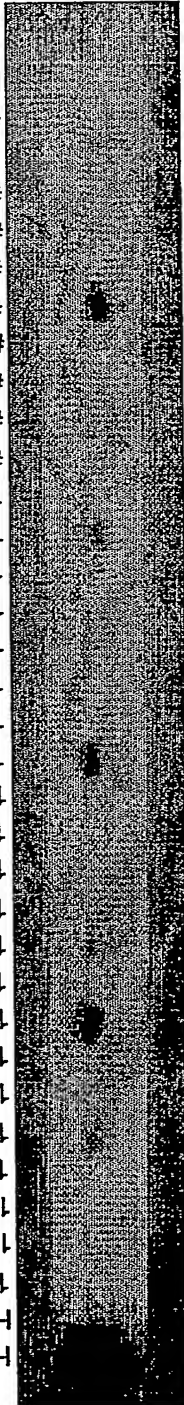


Figure 6

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Hypo +  
Hypo -  
15/1 +  
15/1 -  
15/2 +  
15/2 -  
15/3 +  
15/3 -  
15/4 +  
18/6 +  
15/4 -  
18/6 -  
15/5 +  
15/5 -  
15/6 +  
15/6 -  
15/7 +  
15/7 -  
15/8 +  
15/8 -  
15/11 +  
18/6 +  
18/6 -  
18/11 +  
18/11 -  
#20 +  
#20 -  
#25 +  
#25 -  
#29 +  
#29 -  
#36 +  
#36 -  
#2517-6 +  
#2517-6 -  
NPY-17 +  
NPY-17 -

G2R



GT1-7 +  
GT1-7 -  
15/1 +  
15/1 -  
15/2 +  
15/2 -  
15/3 +  
15/3 -  
15/4 +  
15/4 -  
15/5 +  
15/5 -  
15/6 +  
15/6 -  
15/7 +  
15/7 -  
15/8 +  
15/8 -  
15/11 +  
18/6 +  
18/6 -  
18/11 +  
18/11 -  
#20 +  
#20 -  
#25 +  
#25 -  
#29 +  
#29 -  
#36 +  
#36 -  
#2517-6 +  
#2517-6 -  
NPY-17 +  
NPY-17 -

GnRH

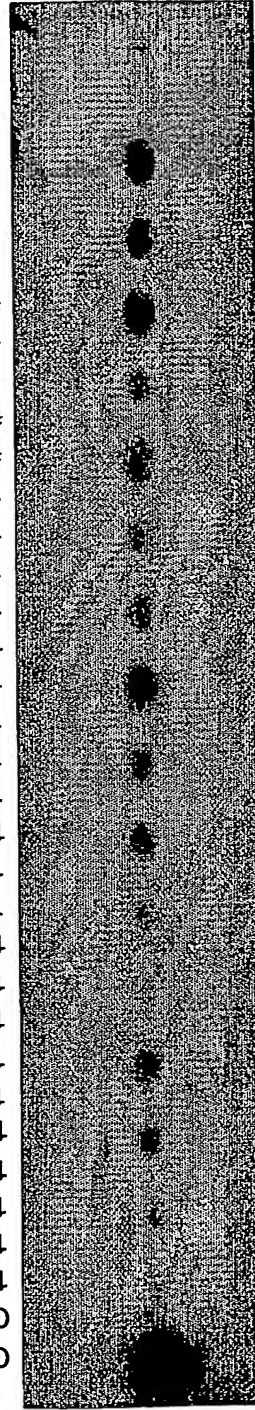


Figure 7



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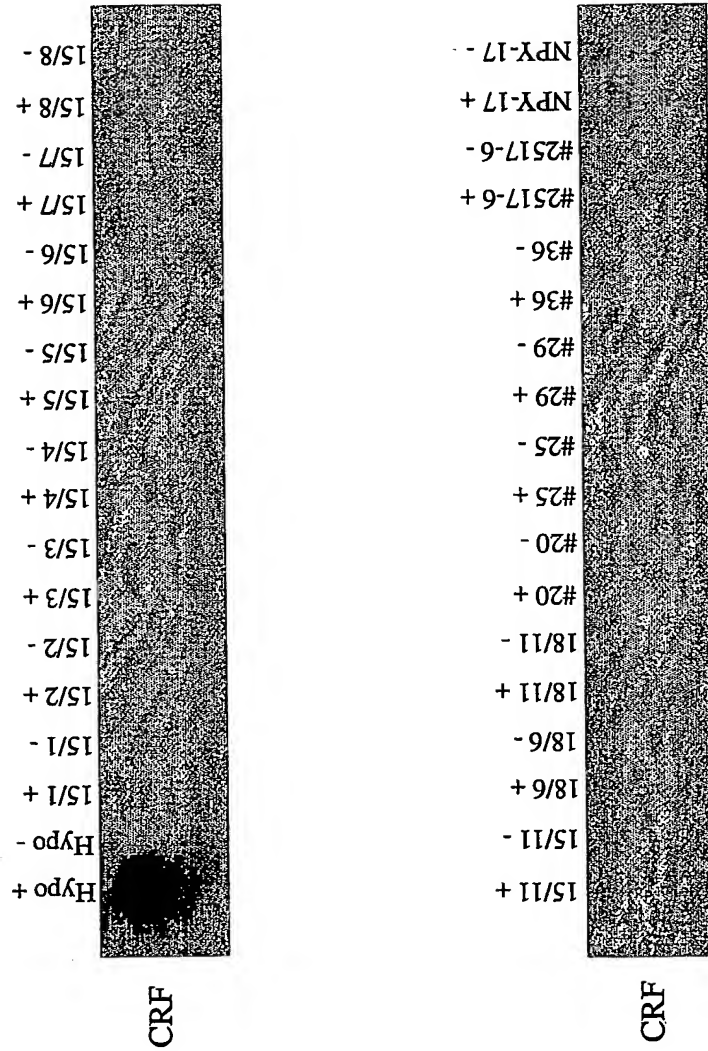


Figure 8

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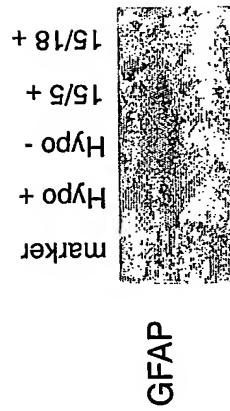


Figure 9

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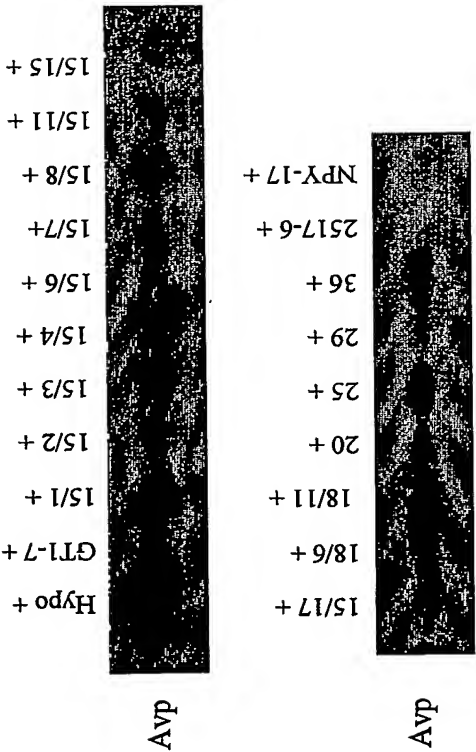


Figure 10

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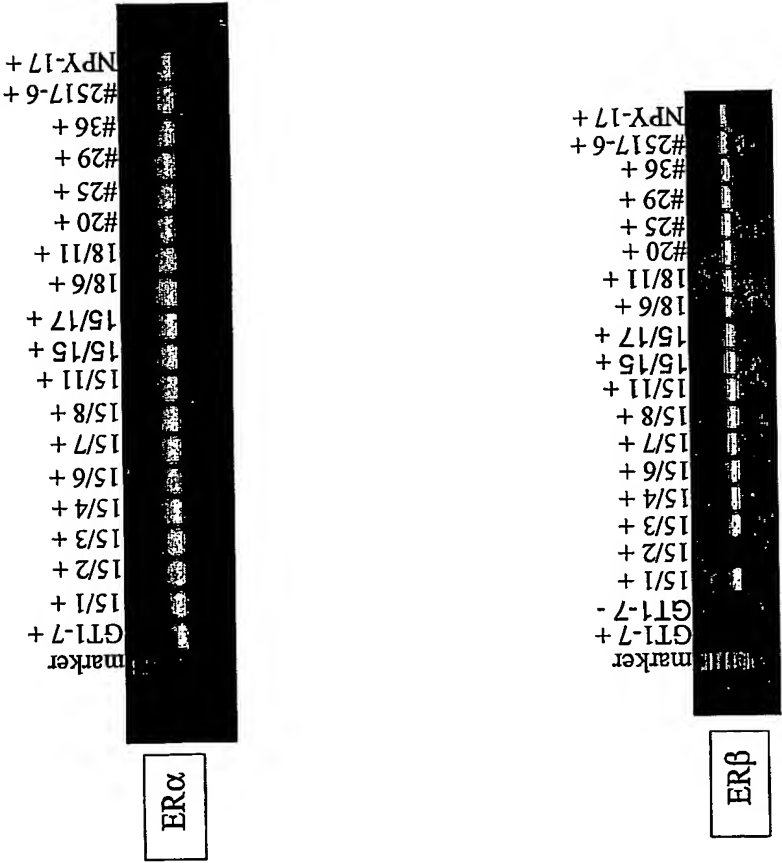


Figure 11

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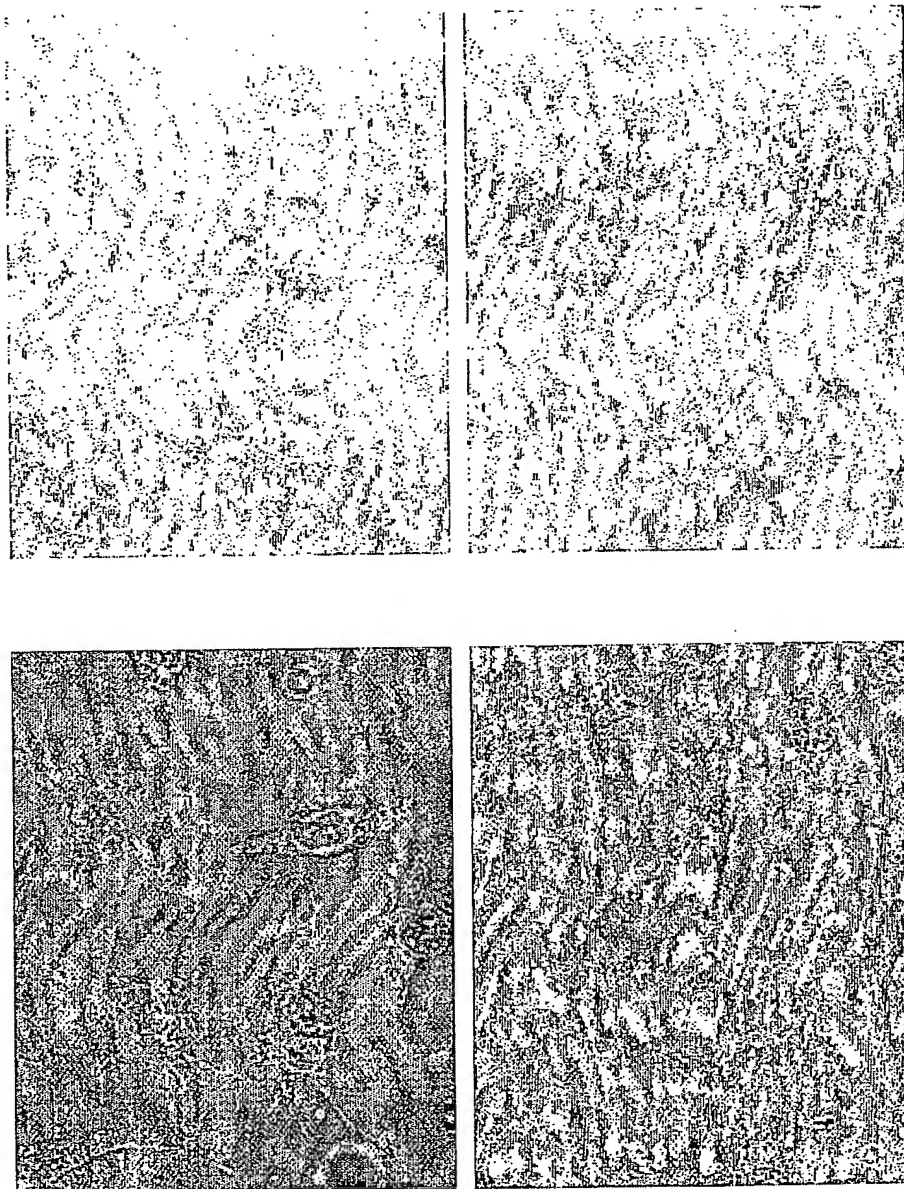


Figure 12

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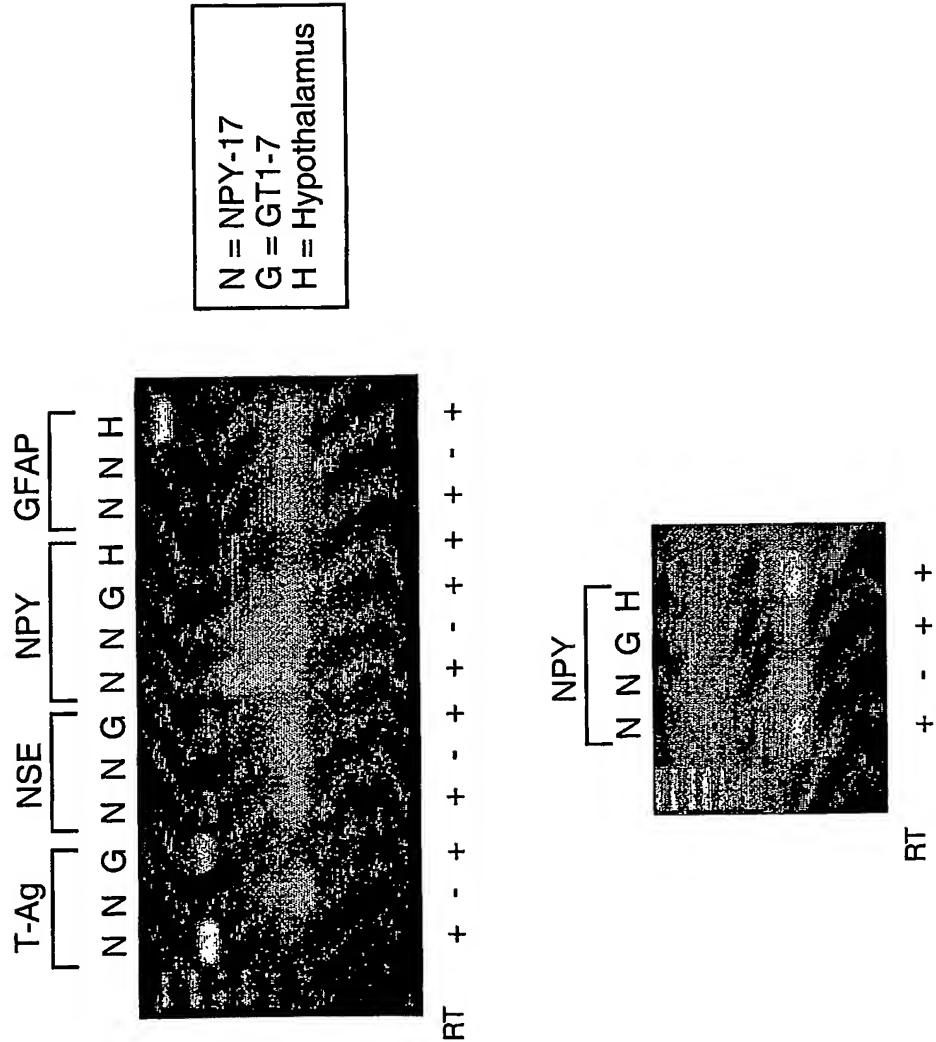


Figure 13

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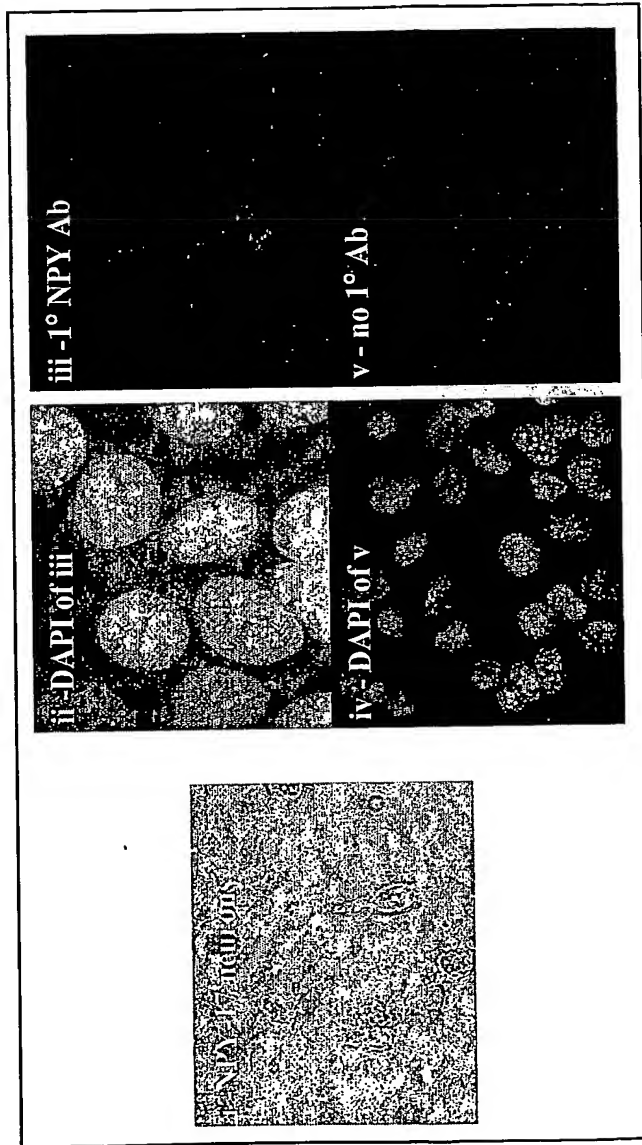


Figure 14

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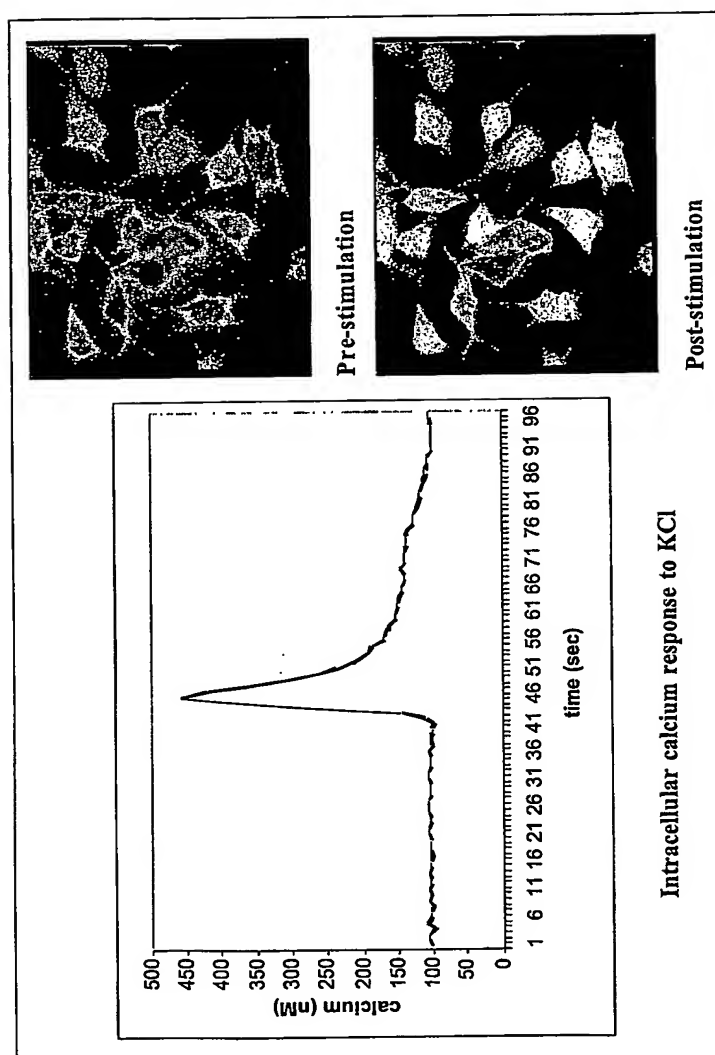
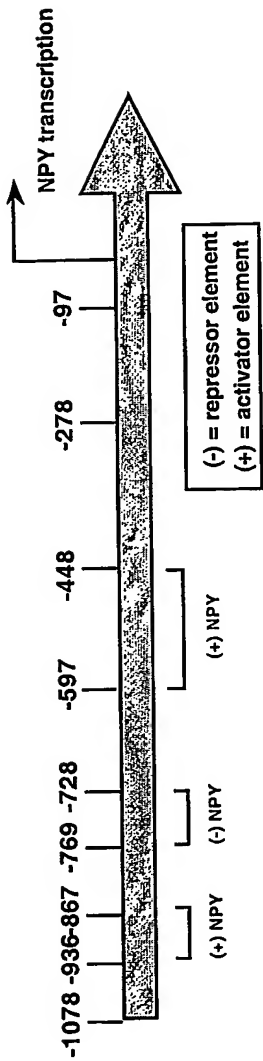


Figure 15



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NPY 5' Regulatory Region in NPY-17 Neurons

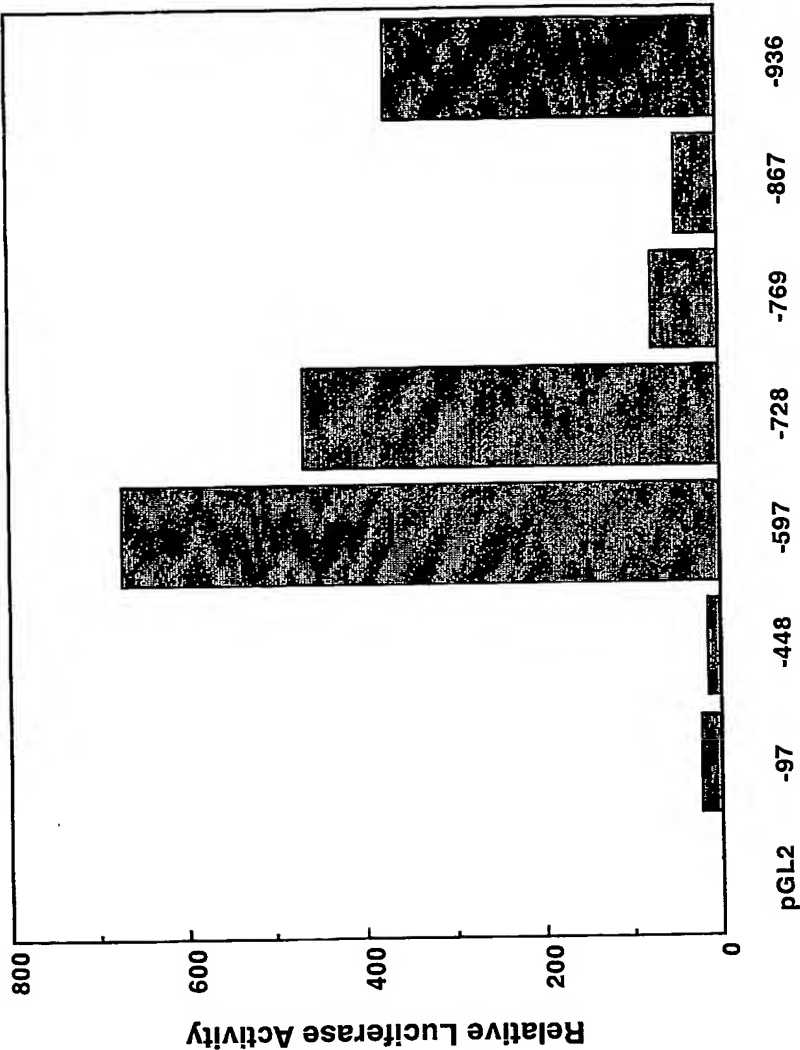


Figure 16

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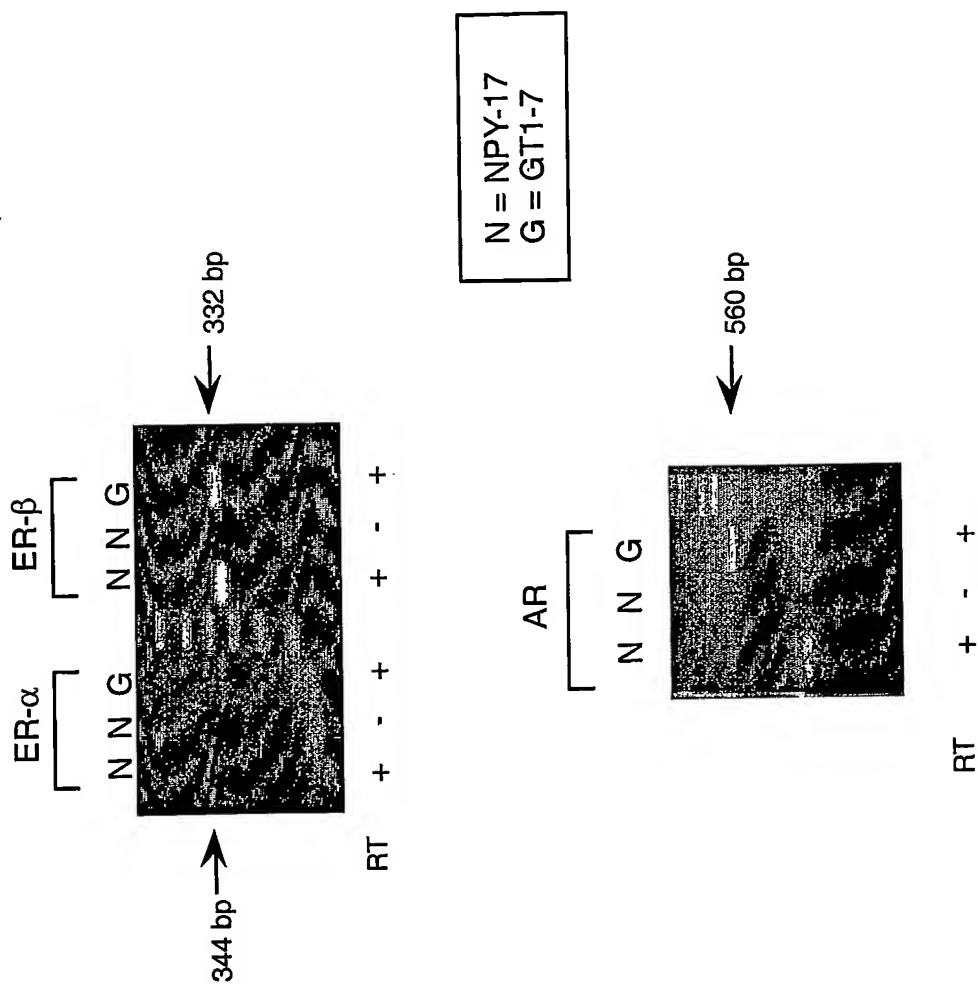


Figure 17

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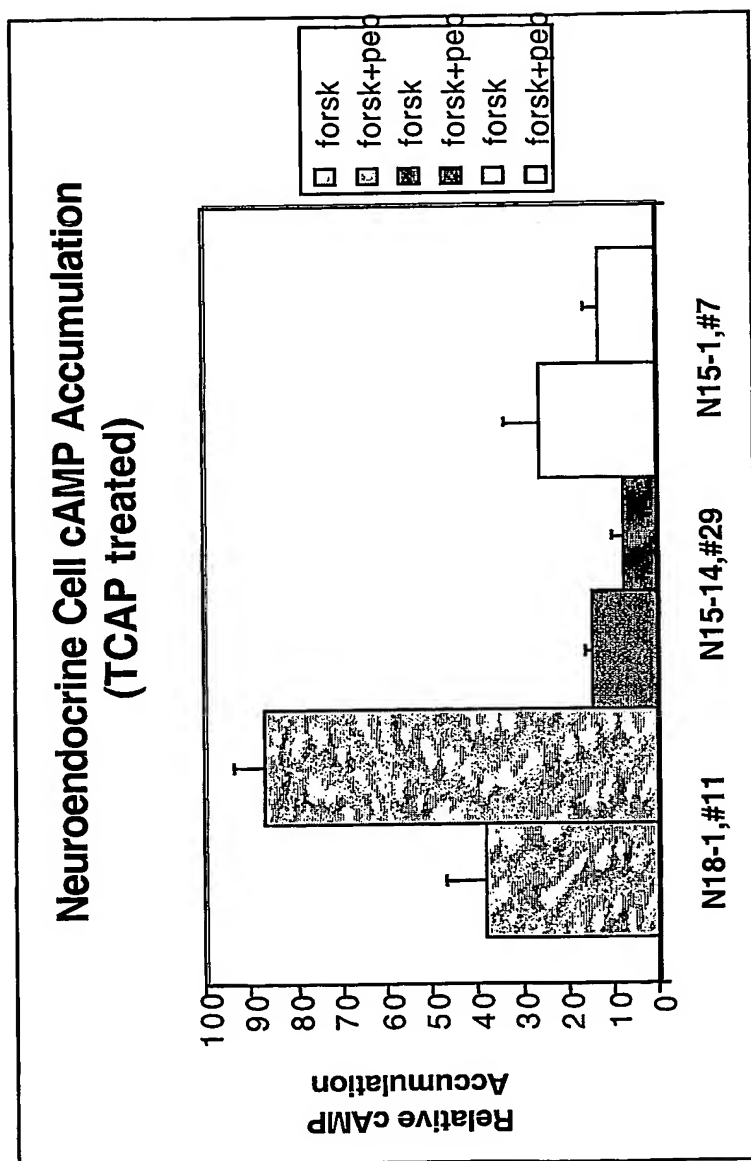


Figure 18A

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1-IBMX  
2-Glp2-0.2 nM  
3-Glp2-2 nM  
4-Glp2-20 nM  
5-Glp2-200 nM

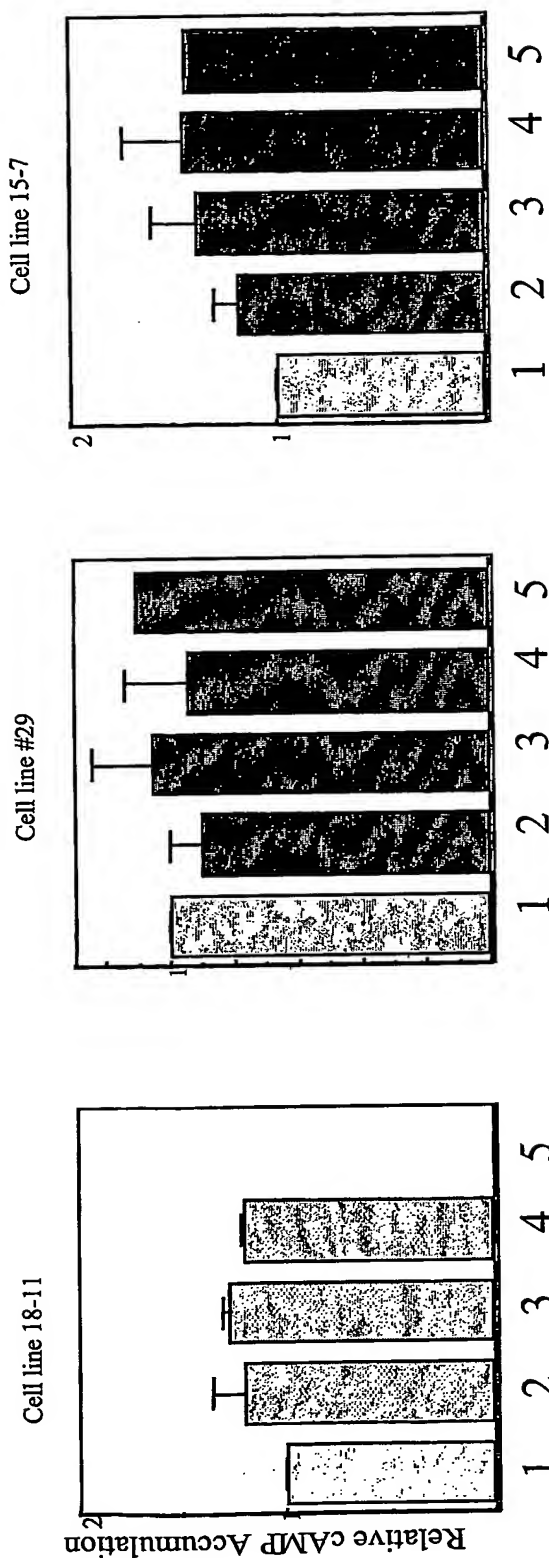


Figure 18B

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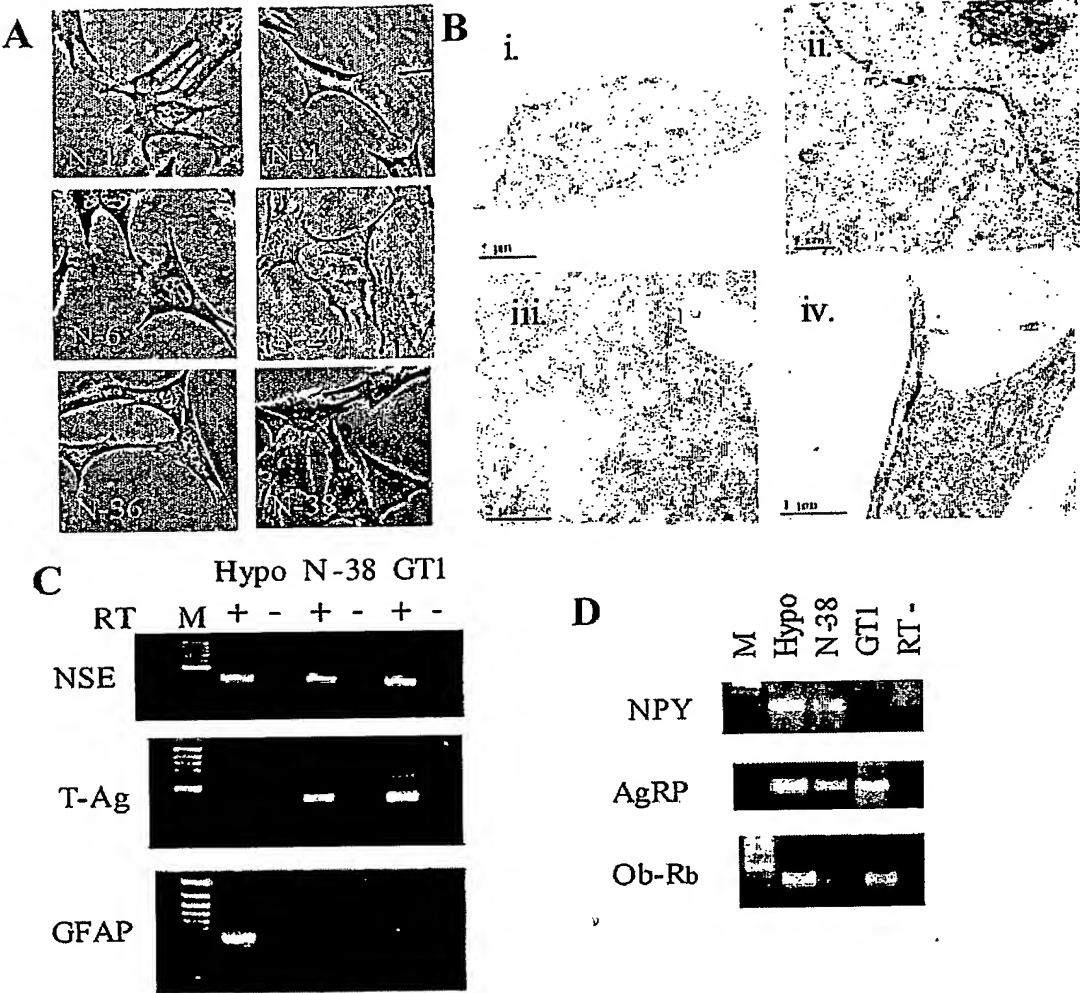


Figure 19

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## Figure 20

human TCAP 1	QQLLESTGRVQGYDGYFVLSVEQYLELS	DSANNIHFMRQSEI
human TCAP 2	QQLLESTGRVQGYEGYYVLPVEQYPELA	DSSSNIQFLRONEM
human TCAP 3	QLLSAGKVQGYDGYVLSVEQYPELA	DSANNIQFLROSEI
human TCAP 4	QQVLESTGRVQGYDGFVLSVEQYPELS	DSANNIHFMRQSEM
mouse TCAP 1	QQLLEGTGRVQGYDGYFVLSVEQYLELS	DSANNIHFMRQSEI
mouse TCAP 2	QQLLESTGRVQGYEGYYVLPVEQYPELA	DSSSNIQFLRONEM
mouse TCAP 3	QLLSAGKVQGYDGYVLSVEQYPELA	DSANNIQFLROSEI
mouse TCAP 4	QQVLENTGRVQGYDGFVLSVEQYPELS	DSANNIHFMRQSEM
trout TCAP 3	QLLSGRKVLGYDGYVLSVEQYPELA	DSANNIQFLROSEI

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